```
Set      Items    Description
S1         122    FERMENTATION(S)PROCESS AND PROGRAM AND CONTROLLER AND NUTR-
                  IENT
S2          99    S1 AND CULTURE
S3          68    S2 AND FEED
S4          63    S3 AND OPTIM?
S5          62    S4 AND CONCENTRATION
S6          24    S5 AND ROUTINE
S7          23    S6 AND MIXTURE
S8           3    S7 NOT PY>= 2001
S9     1219645    ALTERNAT? AND SUPPLY
S10        183    PERIODICALLY(S)MIX(S)NUTRIENTS AND SUPPLY
S11      10970    OPTIMIZATION(S)ROUTINE
S12          4    S10 AND S11
? s bioprocess
    S13     3647  BIOPROCESS
? s s13 and s2
            3647  S13
              99  S2
    S14       16  S13 AND S2
? s s14 and mixture
              16  S14
         1866608  MIXTURE
    S15       15  S14 AND MIXTURE
? s s15 and s4
              15  S15
              63  S4
    S16       13  S15 AND S4
? t s16/ti/all
```

```
s fuzzy(w)logic and controller and fermentation
          373723   FUZZY
         1845895   LOGIC
          106261   FUZZY(W)LOGIC
         1825022   CONTROLLER
          918121   FERMENTATION
     S1       226   FUZZY(W)LOGIC AND CONTROLLER AND FERMENTATION
? s s1 and nutrient(s)mixture
Processing
Processed  40 of  49 files ...
Completed processing all files
          226   S1
       938872   NUTRIENT
      3824093   MIXTURE
        34503   NUTRIENT(S)MIXTURE
     S2        4   S1 AND NUTRIENT(S)MIXTURE
? s s1 and nutrient
          226   S1
       938872   NUTRIENT
     S3       22   S1 AND NUTRIENT
? s s1 and feed
          226   S1
      3020309   FEED
     S4       56   S1 AND FEED
? s s2 and s4
            4   S2
           56   S4
     S5        3   S2 AND S4
? s s3 and s5
           22   S3
            3   S5
     S6        3   S3 AND S5
? s s3 or s5
           22   S3
            3   S5
     S7       22   S3 OR S5
? t s7 not py>=2001
>>>'NOT' not allowed in command
? s s7 not py>= 2001
Processing
Processed  20 of  49 files ...
Processing
Processed  40 of  49 files ...
Processing
Processing
Processing
Completed processing all files
           22   S7
     88914922   PY>=2001
     S8       11   S7 NOT PY>= 2001
? rd
```